

GREAT SALT LAKE, HAMLIN-SNAKE RIVER BASIN VALLEYS

10243260 LEHMAN CREEK NEAR BAKER, NV

LOCATION.--Lat 39°00'42", long 114°12'49" referenced to North American Datum of 1927, in NW 1/4 SE 1/4 sec. 10, T.13 N., R.69 E., White Pine County, Hydrologic Unit 16020301, in Great Basin National Park, on left bank, 4.8 mi west of Baker.

DRAINAGE AREA.--11 mi².

PERIOD OF RECORD.--December 1947 to September 1955, October 1992 to September 1997, July 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,730 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 3, 1953, at site 45 ft downstream at same datum.

REMARKS.--Records fair except for estimated ice days which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80 ft³/s, June 29, 1995, gage height, 5.01 ft; minimum daily, 0.63 ft³/s, March 3, 1993PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
June 3	2115	*12	*3.96				No other peak greater than base discharge.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	2.2	1.8	e1.6	1.5	e1.1	1.5	3.0	8.8	8.0	5.0	3.1
2	3.1	2.1	1.8	e1.6	e1.2	e1.1	1.9	3.5	9.1	8.0	5.2	3.1
3	3.1	2.2	1.8	e1.5	e1.2	1.1	2.5	4.2	9.5	8.0	4.9	3.7
4	3.0	2.1	1.8	e1.5	e1.2	1.0	2.1	5.1	11	7.8	4.9	3.3
5	2.8	2.2	1.8	e1.5	e1.2	1.1	2.0	6.8	9.9	7.7	5.1	3.3
6	2.8	2.2	1.8	e1.4	e1.2	1.1	2.1	7.0	9.7	7.7	4.9	3.1
7	2.7	2.1	1.7	e1.4	e1.2	1.1	2.2	7.3	9.6	7.6	4.9	3.0
8	2.6	2.0	1.7	e1.4	e1.2	1.1	2.2	7.7	8.5	7.5	4.9	3.0
9	2.6	2.0	e1.7	e1.4	e1.2	1.1	2.1	8.0	7.9	7.4	4.7	3.0
10	2.6	2.0	e1.7	e1.5	e1.3	1.2	2.0	8.2	8.9	7.2	4.7	3.0
11	2.6	1.9	e1.7	e1.5	e1.3	1.1	1.9	8.2	8.6	7.3	4.6	3.0
12	2.6	1.9	e1.7	1.6	e1.3	1.2	1.8	8.2	8.4	7.1	4.6	3.0
13	2.5	2.0	e1.7	1.5	e1.3	1.2	1.8	8.0	8.0	7.0	4.5	2.9
14	2.5	1.9	e1.6	1.5	e1.3	1.3	1.9	7.8	7.5	7.1	4.0	2.8
15	2.5	1.9	e1.6	1.5	e1.3	1.3	1.9	7.6	7.3	7.4	4.0	2.8
16	2.4	1.9	e1.6	1.5	e1.3	1.3	1.8	7.5	7.0	7.2	3.7	2.7
17	2.3	1.9	e1.6	e1.5	1.4	1.3	1.8	7.5	7.1	6.9	3.8	2.7
18	2.4	1.9	e1.6	e1.5	1.2	1.3	1.9	7.7	6.7	6.6	4.1	2.7
19	2.3	1.9	e1.6	e1.5	1.1	1.4	1.8	8.0	6.5	6.7	4.2	2.8
20	2.3	1.9	1.8	1.5	1.0	1.4	1.7	8.1	6.2	6.7	4.1	2.9
21	2.4	1.9	1.6	1.5	1.1	1.5	1.7	8.2	6.1	6.7	4.1	2.8
22	2.1	2.1	1.6	e1.5	1.1	1.5	1.7	8.5	6.1	7.3	3.9	2.8
23	2.1	e1.8	e1.6	e1.6	1.2	1.5	1.7	8.4	5.8	6.6	4.0	2.6
24	2.1	e1.8	1.6	e1.6	1.2	1.5	1.6	8.7	6.1	6.2	3.8	2.5
25	2.1	e1.8	1.8	1.6	1.2	1.5	1.6	8.8	6.7	6.1	3.7	2.4
26	2.1	e1.8	e1.7	e1.6	1.2	1.5	1.8	8.6	6.8	5.9	3.7	2.4
27	2.1	1.9	e1.6	e1.6	1.3	1.3	2.1	8.7	7.4	5.8	3.6	2.3
28	2.1	1.9	e1.6	e1.7	e1.2	1.3	2.6	8.6	7.7	5.6	3.5	2.4
29	2.1	2.0	e1.6	1.7	e1.2	1.2	2.9	8.8	8.1	5.8	3.3	2.4
30	2.0	1.9	e1.7	1.7	---	1.2	2.9	8.6	8.2	6.2	3.3	2.4
31	2.1	---	e1.7	1.6	---	1.3	---	8.4	---	5.6	3.2	---
TOTAL	76.1	59.1	52.2	47.6	35.6	39.1	59.5	233.7	235.2	214.7	130.9	84.9
MEAN	2.45	1.97	1.68	1.54	1.23	1.26	1.98	7.54	7.84	6.93	4.22	2.83
MAX	3.1	2.2	1.8	1.7	1.5	1.5	2.9	8.8	11	8.0	5.2	3.7
MIN	2.0	1.8	1.6	1.4	1.0	1.0	1.5	3.0	5.8	5.6	3.2	2.3
AC-FT	151	117	104	94	71	78	118	464	467	426	260	168

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2004, BY WATER YEAR (WY)

MEAN	2.62	2.02	1.65	1.38	1.27	1.45	2.43	8.94	16.8	12.1	6.58	4.01
MAX	3.72	2.57	2.37	1.87	1.73	2.72	5.20	20.9	39.2	43.5	18.0	8.41
(WY)	(1996)	(1996)	(1996)	(1996)	(1996)	(1949)	(1952)	(1952)	(1995)	(1995)	(1995)	(1995)
MIN	1.58	1.43	1.13	0.82	0.74	1.04	1.31	1.85	4.19	4.90	3.65	2.09
(WY)	(1954)	(1954)	(2003)	(1954)	(1993)	(1953)	(2003)	(1953)	(1953)	(1953)	(2002)	(1953)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1948 - 2004
ANNUAL TOTAL	1,505.36	1,268.6	
ANNUAL MEAN	4.12	3.47	5.13
HIGHEST ANNUAL MEAN			11.0
LOWEST ANNUAL MEAN			2.51
HIGHEST DAILY MEAN	24	May 31	62
LOWEST DAILY MEAN	0.90	Jan 6	0.63
ANNUAL SEVEN-DAY MINIMUM	0.93	Jan 1	0.65
MAXIMUM PEAK FLOW		1.1	Feb 28, 1993
MAXIMUM PEAK STAGE		12	80
ANNUAL RUNOFF (AC-FT)	2,990	3.96	5.01
10 PERCENT EXCEEDS	10	2,520	Jun 27, 1995
50 PERCENT EXCEEDS	2.0	7.8	Mar 3, 1993
90 PERCENT EXCEEDS	0.95	2.2	2.4
		1.3	1.2

e Estimated